

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Gil Ben-Menachem et al.

Application No.: 10/550,907

Filed: September 27, 2005

Confirmation No.: 4584

For: CHOLESTEROL-CONTAINING
COMPOUNDS AND THEIR USE AS
IMMUNOGENS AGAINST BORRELIA
BURGDORFERI

Examiner: To be assigned

Art Unit: 1636

Attorney Reference No.: 4239-68220-03

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent
for Applicant(s)

Myron H. Ruppert

Date Mailed August 31, 2006

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ALEXANDRIA, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language and/or non-English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

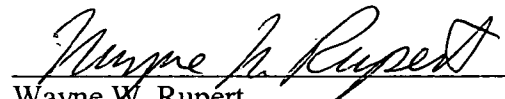
Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A duplicate copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

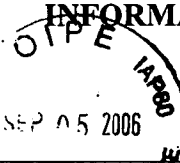
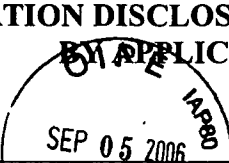
Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By


Wayne W. Rupert
Registration No. 34,420

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 595-5300
Facsimile: (503) 228-9446

INFORMATION DISCLOSURE STATEMENT BY APPLICANT  	Attorney Docket Number	4239-68220-03
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	First Named Inventor	Gil Ben-Menachem
	Art Unit	1636
	Examiner Name	To be assigned

Examiner's Office	Cite No. (optional)	OTHER DOCUMENTS
/SQ/		Arving et al., "Antibodies to Cholesterol, Cholesterol Conjugates and Liposomes: Implications for Atherosclerosis and Autoimmunity," <i>Crit Rev. Immunol.</i> 10:441-453, 1991
		Anspach, "Endotoxin removal by affinity sorbents," <i>J. Biochem. Biophys. Methods</i> 49:665-681, 2001
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		Dell et al., "F.A.B.-Mass Spectrometry of Carbohydrates," <i>Advances in Carbohydrate Chemistry and Biochemistry</i> 45:19-72, 1987
		Habicht et al., "Lyme Disease Spirochetes Induce Human and Murine Interleukin 1 Production," <i>Journal of Immunology</i> 134(5):3147-3154, 1985
/SQ/		Halter et al., "Lipooligosaccharides from <i>Treponema hyodysenteriae</i> and <i>Treponema innocens</i> ," <i>Infection and Immunity</i> 56(12):3152-3156, 1988

EXAMINER SIGNATURE:	/Sabiha Qazi/	DATE CONSIDERED:	03/15/2008
<p>* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

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Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
/SQ/		Hirai et al., "Unique Cholesteryl Glucosides in <i>Helicobacter pylori</i> : Composition and Structural Analysis," <i>Journal of Bacteriology</i> 177(18):5327-5333, 1995
		Honarvar et al., "A 14,000 MW lipoprotein and a clycolipid-like structure of <i>Borrelia burgdorferi</i> induce proliferation and immunoglobulin production in mouse B cells at high frequencies," <i>Immunology</i> 82:389-396, 1994
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		Rottem, "Sterols and Acylated Proteins in Mycoplasmas," <i>Biochemical and Biophysical Research Communications</i> 292(5):1289-1292, 2002
/SQ/		Sadziene et al., "Experimental Immunization against Lyme Borreliosis with Recombinant Osp Proteins: An Overview," <i>Infection</i> 24(2):195-202, 1996

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/SQ/		Sawardeker et al., "Quantitative Determination of Monosaccharides as Their Alditol Acetates by Gas Liquid Chromatography," <i>Analytical Chemistry</i> 37:1602-1604, 1965
		Srimal et al., "Titration calorimetric studies to elucidate the specificity of the interactions of polymyxin B with lipopolysaccharides and lipid A," <i>Biochem. J.</i> 315:679-686, 1996
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/SQ/		Zähringer et al., "Primary Structure of a New Phosphocholine-containing Glycoglycerolipid of <i>Mycoplasma fermentans</i> ," <i>The Journal of Biological Chemistry</i> 272(42):26262-26270, 1997

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TRANSMITTAL LETTER

Enclosed for filing in the application referenced above are the following:

- ☒ Supplemental Information Disclosure Statement
- ☒ Form PTO-1449 and references cited thereon
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

Wayne W. Rupert

Wayne W. Rupert

Registration No. 34,420

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 595-5300
Facsimile: (503) 228-9446